VMware vSphere: Design Workshop [V6.5]

3 Days

VMware vSphere: Design Workshop [V6.5] training offers you the knowledge, skills, and abilities to design a VMware vSphere 6.5 virtual infrastructure.

This course discusses the benefits and risks of available design alternatives and provides information to support making sound design decisions.

Product Alignment

- VMware ESXi 6.5
- VMware vCenter Server 6.5

Objectives:

You should be able to meet the following objectives after the completion of the course:

- Apply a design framework
- Design the compute infrastructure for an enterprise
- Assess the business and application requirements of the current environment
- Create a design that ensures availability, performance, manageability, recoverability, and security.

Certifications

You can prepare for the following certification through this course:

- VMware Certified Advanced Professional 6 – Data Center Virtualization Design (VCAP6-DCV Design)

Course Details

_____

Course Outline

1. Course Introduction

- Introductions and course logistics
- Course objectives

2. Infrastructure Assessment

- Use a systematic method to evaluate and document design decisions
- Proven process to design a virtualization solution

3. Core Management Infrastructure

- Designing a vCenter Server deployment topology that is appropriate for the size and requirements of the data center
- Choose the time synchronization method

4. Virtual Data Center Infrastructure

- Use of resource pools in the virtual data center design
- Virtual Data Center Cluster Design to meet business and workload requirements

5. Compute Infrastructure

- Choose the ESXi host hardware for the compute infrastructure
- Create a compute infrastructure design that includes the appropriate ESXi boot, installation, and configuration options

6. Storage Infrastructure

- Calculation of storage capacity and performance requirements for a design
- Evaluate the use of various storage platform and management solutions

7. Network Infrastructure

- Design a network management architecture to meet the vSphere environment needs
- Evaluate the use of various network component and network management solutions

8. Virtual Machine Design

- Design virtual machines to meet the applications in the vSphere environment the needs and that follow VMware best practices
- Make virtual machine design decisions

9. Infrastructure Security

- Security design decisions of different vSphere environment layers
- Design a security strategy to meet the vSphere environment needs and follows VMware best practices

10. Infrastructure Manageability

- Design an infrastructure management strategy to meet vSphere environment needs
- Make infrastructure management design decisions

11. Infrastructure Recoverability

- Make infrastructure recoverability design decisions
- To Design an infrastructure recoverability strategy to meet vSphere environment needs and follows VMware best practices

Who Should Attend

- Experienced System Integrators
- Designing and Deploying vSphere Environments Consultants

Pre Requisite

You must have completed the following prerequisites to be eligible for this course:

- VMware vSphere: Optimize and Scale [V6.5]
- VMware vSphere: Install, Configure, Manage [V6.5]

464, Udyog Vihar Phase V,Gurgaon (Delhi NCR)-122016,India   +91 8882 233 777   training@mercury.co.in   www.mercurysolutions.co

Date - May 13, 2025